INSTRUCTION BOOK

WASHING MACHINE

T 533

ZANUSSI

TECHNICAL INFORMATION

DIMENSIONS	Height without panel	850 mm
	width	400 mm
	depth	600 mm
POWER SUPPLY VOLTAGE / FREQUENCY		230 V / 50 Hz
TOTAL POWER ABSORBED		2300 W (10 A)
HEATER RATING		1950 W
WATER PRESSURE	minimum	5 N/cm² (0,5 kg/cm²)
	maximum	80 N/cm² (8 kg/cm²)
MAXIMUM LOAD	cotton	5,0 kg
	synthetics	2,5 kg
	wool	1,0 kg
SPINNING SPEED		550 rpm

This appliance complies with the following EC Directive:
- 72/23/EEC of 19.02.1973 - Low Voltage Directive
- 89/336/EEC of 03.05.1989 (including Amentment Directive 92/31/EEC) - EMV Directive.

SAFETY INSTRUCTIONS

You must read the whole of this instruction book before using the appliance. Follow the advice carefully. Keep the book for future reference. If you sell or give away the appliance, make sure that the book is passed to the new owner.
The following warnings are provided in the interest of overall safety. You must read them before installing or using the appliance.

Use

- This appliance is designed to be used by adults. Children should not be allowed to touch the controls or play with the product.
- It is dangerous to modify the specifications of this appliance in any way.
- Always unplug the appliance and turn off the water after use.
- Only wash fabrics with are designed to be machine washed. If in doubt, follow the instructions you find on the label of the item itself.
- Place small metal rings or edged plastic rings in a net or bag.
- Make sure that all pockets are empty. Hard, sharp objects such as coins, safety pins, nails, screws or stones can cause extensive damage.
- Do not machine wash fabrics which are saturated with petroleum products. If volatile cleaning fluids have been used, make sure that they are thoroughly removed from the fabrics before they are placed in the appliance.
- Small and delicate objects (e.g. baby socks,stockings) can be easily washed inside a small pillowcase with a zip fastener or in larger socks.
- Use only the recommended quantities of fabric conditioner.
- Before cleaning, care and maintenance, ensure that the machine is switched off.

Installation

- Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.
- Any plumbing work required to install this appliance should be carried out by a qualified plumber or competent person.
- Make sure that the appliance does not stand on its electrical supply cable.
- This appliance is heavy. Care should be taken when moving it.
- All packaging and transit bolts must be removed before the appliance is used. Serious damage may occur if this is not done.
- If your washing machine is in a room subject to temperatures below freezing, the water must be removed from the machine should the danger of freezing be expected.

Safeties

- Lid : your washing machine is equipped with a safety avoiding the switching of the appliance when the flapdoors of the drum are opened; the closure of the lid is so impossible. An electromechanic safety prohibits the opening of the lid when the washing machine works and 2 minutes after the end of the programme.
- Washing motor : in case of mechanic overloading, overvoltage, a thermic safety protects automatically the motor.
- Heating : the heating can only begin whenthe water quantity necessary for the washing is in the tub. This safety is useful when there is a water break-up or if you forget to open the water inlet hose.
- When disposing of the machine in a proper manner, destroy the door locks and cut off the power supply cord.

Environmental information

All materials marked by the symbol ♺ are biodegradable. They can be disposed of without danger or burnt in rubbish incinerators.
In order to realize water and energy savings and to act in an environmentally conscious manner, we advice to follow the below instructions :
- use if possible the appliance with full loadsinstead of partial loads. Take care to do not overload the drum.
- Use only the programmes with prewash for very soiled laundry.
- Savings on detergent and for the environment may also be achieved if with medium to hard water you add sufficient detergent for soft water and then add separately a softener. This relievesour waters of a certain amount of chemicals.

INSTALLATION

BE CAREFUL : The parts protecting the inner components of the machine during transit must all be removed before using your machine for the first time. In order to avoid possible damage to the appliance, it is indispensable to take away the polystyrene basis, the two loosened spacers at the back of the appliance and the polystyrene and plastic wedges (follow the instructions of the unpacking sheet). Close imperatively the 2 holes left by the 2 spacers with the plugs provided with the appliance ; do not forget to put on the central cover.

Installation

The floor must be clean and dry, free from floor polish and other greasy substances, so that the machine does not slide about. Do not use any grease as lubrification.

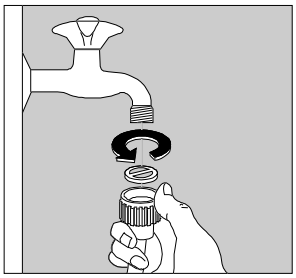
Installation on deep pile carpets and floor coverings with foam backings is not recommended, as the stability of the machine is no longer guaranteed. If the installation must be done on a carpetedfloor, the openings located at the lower part of the back of the appliance must remain free. These openings ensure a good ventilation of your applicance. In case of small format tiles, place a standard rubber mat under the machine.

With sprung floors, in particular wooden plank floors with yielding floor boards, screw down a waterproof wooden base at least 15 mm thick, across at least 2 floor boards. Wherever possible, place the appliance in the corner of the room - there wooden floors are most secure and least liable to resonance vibrations.

Never compensate for small unevennesses in the floor by placing wood, pasteboard or such like.

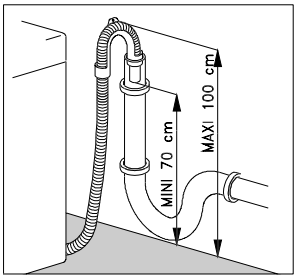
The front adjustable feet must be blocked after installation of the appliance by means of the locking nuts.

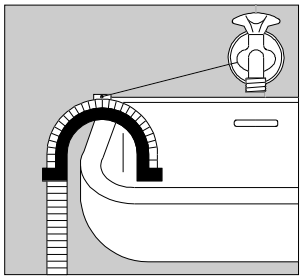
Water connection



Connect the water inlet hose to a cold water tap with a 3/4" gas threaded orifice, after having inserted the rugger sealing washer into the hose collar. If the water connection is made onto new pipes or onto pipes which have not been used for a long time, it is advisable to run off a certain amount of water before connecting the machine.

Place the curved end of the outled hose into a drain pipe having a height between 70 and 100 cm from floor level or secure it to a sink or bath tub. Make sure that the drain hose is firmly secured so that it will not slip out or fall down from its position.





The water should drain freely and, consequently, the drain hose should not be choked or placed in such a way as to obstruct the normal water flow. If an extension hose is required, remember that it might cause a malfunction in the drain pump, particularly if the extension has a length in excess of 1 meter or if the diameter of the extension is smaller than the diameter of the original drain hose.

Electrical connection

Before fitting the plug into the wall socket, check the following points :

1) The supply voltage of the domestic wiring system does not fluctuate by more that 10%, plus or minus, from 230 V.

2) The meter, the fuses, the supply line and the wall socket are suitable to carry the maximum load required by the machine (2,3 kW).

Very important :
The washing machine is provided with a feeding wire with earth connection: it must be connected to a plug like that is provided with a good earth connection.

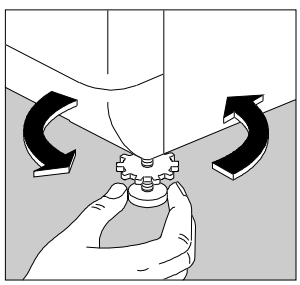
The replacing of the power cord must only be realized by the After Sales Service.

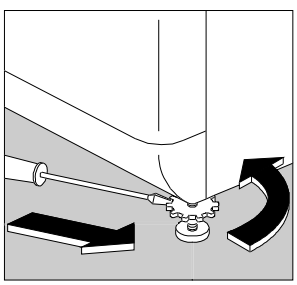
The manufacturer declines any responsibility where the previous recommendations are not followed.

Levelling

It is essential that your machine is absolutely level. Raise or lower the front feet of the machine ; tighten the nuts of the feet with an adjustable wrench.

Also make sure that the machine does not touch the wall, the furnitures, etc. during the functioning in order to avoid vibrations, noise or displacements of the appliance during operation.

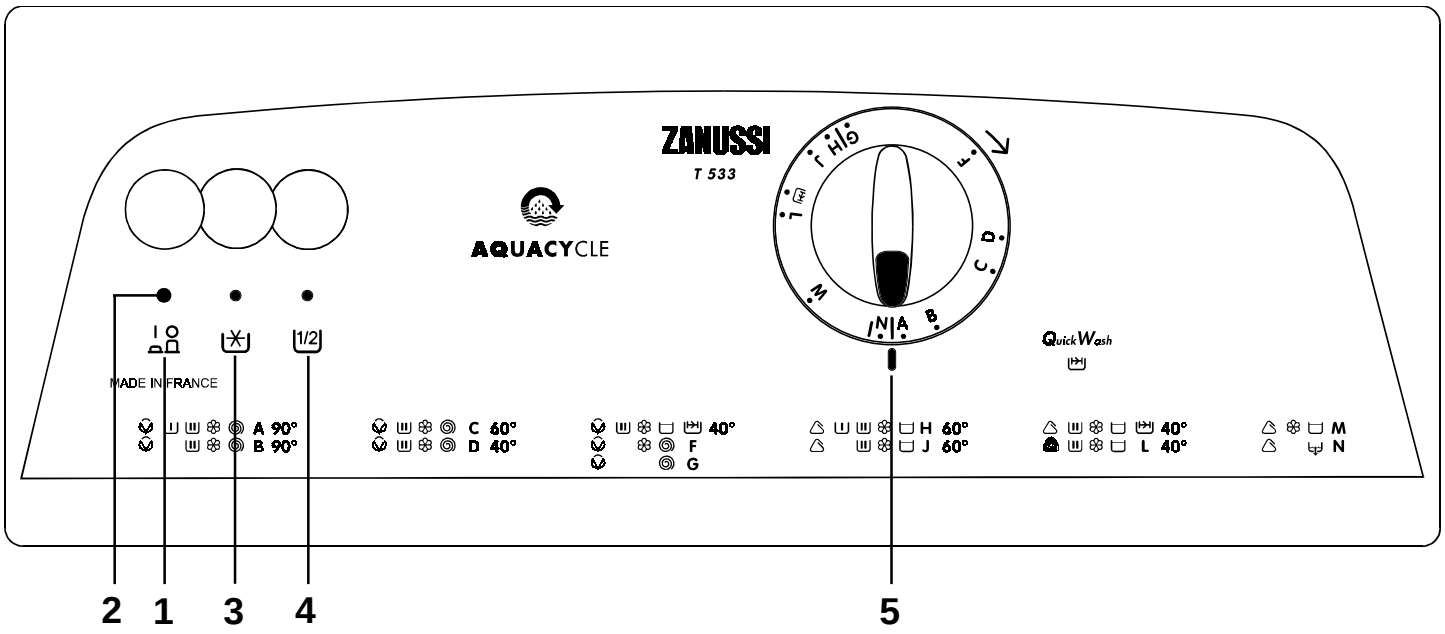




USE OF YOUR APPLIANCE

The control panel

Never turn the programme selector when the appliance is working.



1. ON/OFF pushbutton "⏻"

Press the ON/OFF pushbutton "⏻", the programme starts: the control lamp illuminates.

2. Control lamp

The control lamp illuminates when the appliance is working (ON/OFF pushbutton "⏻" pressed on).
It extinguishes when the cycle is finished (programme selector on a stop position "I").

3. Cold pushbutton "✻"

This pushbutton allows to wash laundry with cold water on all programmes. The water coming into the tub is not heated.

4. Half load pushbutton "1/2"

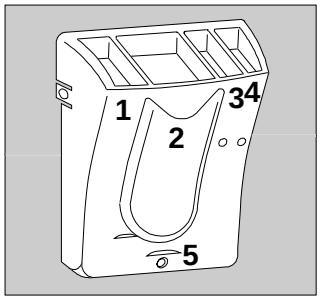
This pushbutton allows to wash small quantity of linen not much soiled (2,5 kg) only on the cotton programmes.

5. Programme selector

It enables to select the most suitable programme to the nature and degree of soil of your laundry.
Turn the programme selector clockwise to select the chosen programme.
The programme selector indicates each programme phase as it takes place.
At the end of the programme, the appliance stops automatically on a stop position "I" for the cotton programmes or on a rinse hold position "ı" for the synthetics and wool programmes.

Never turn the programme selector anticlockwise.

Detergent dispenser



1. Washing powder or liquid detergent for programmes with pre-wash (I)
2. Washing powder or liquid detergent for the main wash (II)
3. Bleach compartment (△)
4. Liquid additives (fabric softener and conditioner...)(❀)
5. Softener overflow

Before using your washing machine for the first time, we recommend you to run a 90° C cotton cycle without any laundry to remove any manufacture residue from the drum and tub :

- Pour a 1/2 measure of detergent into the "detergent dispenser".
- Select the programme "B".
- Press the ON/OFF button : the wash cycle starts.

Programme chart

Programmes for cotton / linen

Prog.	Description of the programme	Temperature °C	Description of the cycle	Load (kg)	Indicative consumptions *		
					water (liter)	energy (kWh)	time (min.)
A	White with prewash	90°	Prewash at 40° Main wash at 90° 4 rinses Spin	5,0	83	2,60	150
B	White	90°	Main wash at 90° 4 rinses Spin	5,0	69	2,20	135
C	Coloured	60°	Main wash at 60° 4 rinses Spin	5,0	69	1,30	105
D	Coloured	40°	Main wash at 40° 4 rinses Spin	5,0	69	0,70	90
	Quick programme	40°	Main wash at 40° 4 rinses Rinse hold	2,5	58	0,60	55
F	Rinsings (1)		4 rinses Spin	5,0	55	0,20	50
G	Spinning		Spin 550 rpm	5,0	0	0,03	5

1. Use bleach only if the laundry can withstand the treatment.

Programmes for synthetics / wool

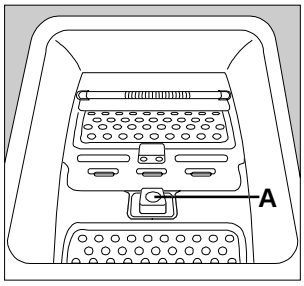
H	Synthetics with prewash	60°	Prewash at 40° Main wash at 60° 3 rinses Rinse hold	2,5	72	1,20	85
J	Synthetics	60°	Main wash at 60° 3 rinses Rinse hold	2,5	58	1,10	75
	Quick programme	40°	Main wash at 40° 3 rinses Rinse hold	2,5	58	0,60	55
L	Wool	40°	Main wash at 40° 3 rinses Rinse hold	1,0	63	0,45	45
M	Rinsings		3 rinses Rinse hold	2,5	42	0,01	20
N	Drain		Drain	2,5	0	0,002	5

(*) The data is given purely as an indication : the consumption values may vary in relation to the quantity and the type of laundry, the temperature of the water supply and the ambient temperature. The data refers to the highest temperature provided for each programme.

BE CAREFUL : THE LID CAN ONLY BE OPENED 90 SECONDS AFTER THE MACHINE HAS STOPPED.

Operating instructions

1. Place the laundry in the drum



- Lift up the lid of the machine.
- Open the drum with your two hands by pressing the button **A** and the two flapdoors till they disengage.
- Introduce the laundry into the drum ; close the drum and the lid of the machine.

Be careful : before closing the lid of your machine, make sure that the drum flapdoors are correctly closed :
- the two flapdoors fastened,
- the button **A** pressed out.

2. Measure out the detergent

Measure out the amount of detergent recommended by the manufacturer in the main wash compartment (II).
If you wish to carry out a prewash, pour the amount required into the prewash compartment (I).
Do not exceed the MAX level.

3. Add the bleach agent

You may use a bleach agent on cotton programmes. However, make sure that the fabric withstands the treatment. **Make sure that the level of the liquid never exceeds the MAX level.**

4. Add the fabric softener

Pour the softener, if required, into the compartment marked (❀). **Do not exceed the MAX level.**

5. Press the cold pushbutton "✻" and/or the half load pushbutton "1/2" if required.

6. Select the programme

Choose the programme according to the nature and the degree of soil of the laundry.
Turn the programme selector clockwise to select the chosen programme.

7. Starting of the programme

The ON/OFF pushbutton "I/O" enables to switch on your machine. The control lamp illuminates and the programme starts.

8. At the end of the programme

When the selected programme is over, the machine stops automatically. The timer knob stops on the position **"I"** for the cotton programmes and the control lamp extinguishes.

The synthetics, wool and quick programmes end by a rinse hold in order to avoid the formation of creases. The control lamp remains illuminated.
You can then finish these programmes by a spinning (by depressing the on/off pushbutton "I/O" and by choosing the programme G) or by a draining (by depressing the on/off pushbutton "I/O" and by choosing the programme N).

After each wash, depress the ON/OFF pushbutton "I/O". Press off the other pushbuttons if necessary ; unplug the machine from the wall socket ; turn off the water tap. We advise you to leave the lid and the drum open in order to air the washing machine.

HINTS AND TIPS

You are advised not to leave your laundry too long, especially when damp. Damp laundry produces moult and unpleasant smells.
Moult stains cannot be removed.

Sort your laundry.
Study carefully the chart in this booklet explaining the symbols used on clothes labels (see page 6).
The following points are particularly important :
- a line under the bowl means that the garment cannot be washed using programmes for resistant fabrics such as cotton and linen;
- do not mix coloured garments with whites;
- anticrease materials like polyester/cotton should be treated as synthetics;
- non-resistant fabrics like acrylic and most curtain materials should be treated as delicate fabrics;
- the wool programme is designed specifically for pure new wool. Other types of wool and wool mixtures may shrink or felt if machine-washed.
  Woollen garments should be spun briefly immediately after washing.

Prewash
Prewash is not normally necessary. Your new washing machine combined with modern detergents will give perfect washing results without prewash, thus saving energy, time, water and detergent.
However, when the laundry is particularly dirty (for instance if you have to wash mechanics' overalls or butchers' aprons), you are advised to use prewash with a biological detergent.

Temperatures
We suggest that white cotton and linen, if it is not excessively soiled, can be washed at 60° instead of 90°C. There should be no reduction in performance, but there will be an energy saving of approximately 30%.
The same applies to a lesser extent to fast coloured garments.
They usually require a temperature of 60°C but if they are not excessively dirty, you will have satisfactory results at 40°C.
Garments with non-fast colours should not be washed at temperatures above 40°C. If fast and non-fast colours are washed together, they should be treated as non-fast colours and therefore the temperature should not exceed 40°C.
Resistant white and coloured synthetics can normally be washed at 60°C but also in this case 40°C is sufficient if the laundry is not excessively dirty.
Delicate synthetics, synthetics with non-fast colours and woollen garments must never be washed above 40°C.
As you already know, your washing machine can also wash with cold water. However, it must be remembered that the detergents currently on the market have not been designed for cold washes and that in winter, when the water is very cold, they may not dissolve adequately.
We suggest the use of liquid detergents.

How much laundry can be washed in one load?
Strictly speaking you should always weigh your laundry.
The drum will take a maximum of 5 kg of cotton and linen. For synthetics and delicate fabrics, the maximum load is 2,5 kg and for wool, 1 kg.

As weighing can be complicated, we suggest you estimate the weight according to how full the drum is:
cotton and linen : drum full not too tighty packed
resistant synthetics : no more than 2/3 of the drum
delicate fabrics and wool : no more than 1/2 of the drum.

Before placing the laundry in the machine:
- mend all tears, holes and ladders;
- secure loose buttons and close poppers and zips;
- do not wash frayed garments - mend hems before washing;
- remove all small objects from pockets. Nails, pins, clips and similar objects can seriously damage your washing machine and laundry;
- remove curtain hooks;
- wash coloured garments and in particular those with non-fast colours separately when washing for the first time. They are likely to lose colour the first time they are washed;
- treat obstinate stains such as grass, rust, tar, paint, ink etc. with a stain remover before washing.

To remove paint stains, for example, use a volatile substance such as turpentine: in this case, you should wait for it to dry completely before washing.
The manufacturer of your washing machine is not responsible for any damage deriving from the use of volatile, inflammable or toxic substances.

At the end of the washing
Damp laundry should be dried as soon as possible after finishing the wash.
Knitwear and woollens should be dried flat away from direct sunlight.

Detergents and additives
Good washing results also depend on the choice of detergent and use of the correct quantities to avoid waste and protect the environment. Although biodegradable, detergents contain substances which in large quantities can damage the delicate ecological balance of nature.

Always use good quality detergents suitable for use in washing machines.

Follow the indications given by the detergent manufacturer according to the weight of laundry, the degree of soil and the hardness of the water in your area; if you do not know how hard it is, ask your local Water Authority.

Powder detergents.
The washing powder should be placed in the appropriate compartments of the dispenser drawer before starting the programme. Special detergents are availaible for coloured and delicate fabrics and for wool.

"Concentrated" powder detergents
Pour the concentrated powder detergent into the main wash (II) compartment.

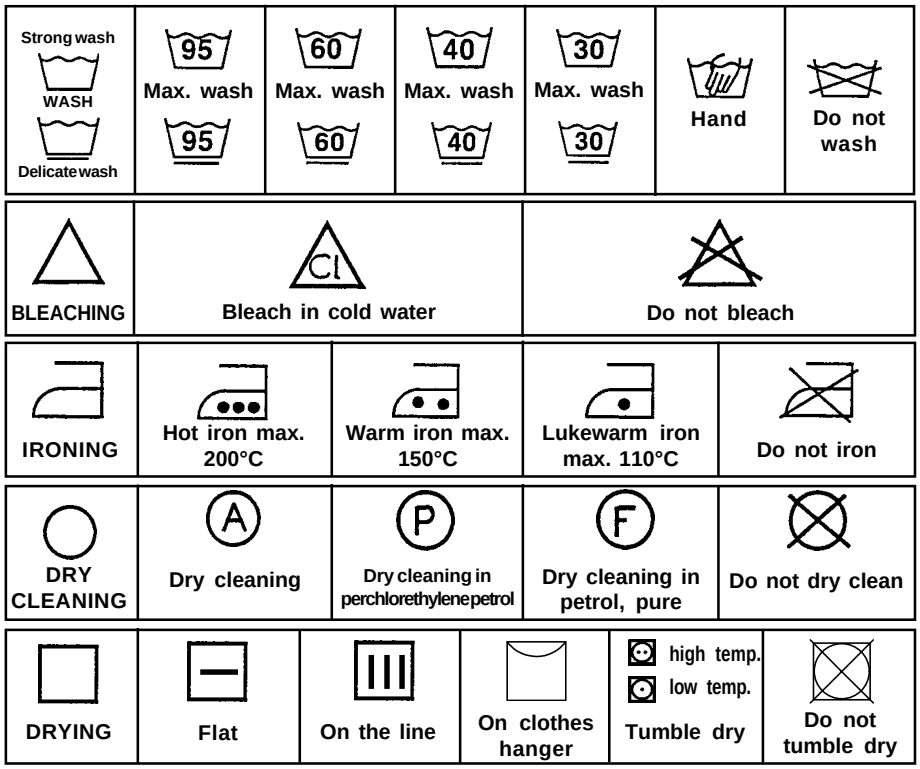
Avoid selecting programmes including prewash when concentrated detergents are used.

Liquid detergents
Using the new automatic dispenser for liquid detergents, it is possible to use a liquid detergent for main wash phases.
Liquid detergents can be used instead of powder detergents particularly for lightly soiled laundry and for medium or low temperature washing programmes, while it is better to use a powder detergent for high temperature washing programmes.

Liquid additives
Any liquid additives for softening the laundry must be poured into the compartment ⊛ of the detergent dispenser drawer before starting the programme.
The addition of water softener is particularly useful when drying the clothes in a tumble dryer after washing to avoid a static charge.

Bleach △
A bleach agent may be used on cotton programmes. However, make sure that the fabric withstands the treatment. Bleach is automatically washed down into the drum. Pour 1/4 to 1 glass of 12° chl bleach into compartment "△" before switching the machine on.
Make sure that the level of the liquid never exceeds the grid.

WASH CODE SYMBOLS



CLEANING AND MAINTENANCE

Make sure that the machine is unplugged and the water tap turned off before undertaking any kind of maintenance.

Bodywork

The outside or the machine can be cleaned with warm water and a neutral non-abrasive household detergent. Wipe with clean water and dry after cleaning.
Important : do not use methylated spirit, diluents or similar products.
It is advisable, from time to time, to carry out a complete cycle without a washing load, adding a decalcifying product.

The detergent dispenser

The detergent dispenser is very easy to remove.

Exert a pressure on the brooches located on each side of the detergent dispenser and pull it up (fig. 1 and 2).

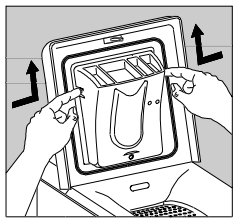


fig.1

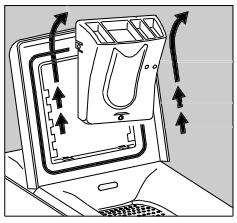


fig.2

Clean the detergent dispenser under running water with a brush or a piece of rag (fig. 3). Check that the siphons located at the back of the detergent dispenser are not obstructed (fig. 4).

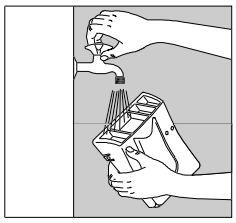


fig.3

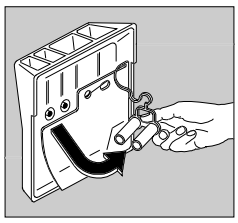


fig.4

Replace the detergent dispenser in the notches until the hanging (fig. 5).

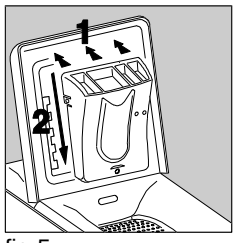


fig.5

The drain filter

The machine has got a mecanic filter located on the front part to collect lint and small objects (toothpins, coins, pins, etc.) inadvertently left in the clothes. It is essential that the filter is cleaned regularly.

Frequency of cleaning depends on the type of articles washed (cleaning should be more frequent if the articles have no hem and tend to fray).

- Open the flapdoor (fig. 6).
- To drain the residual water :
  Place below a container not very high up with straight edges. To complete the draining, turn the cap of the drain filter until its vertical position and the residual water will be released (fig. 7).
- To clean the filter :
  Turn the filter anticlockwise and get it away (fig. 8). Clean it with current water. Replace the filter and screw down it clockwise. Then, close the flapdoor.

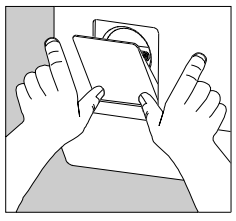


fig.6

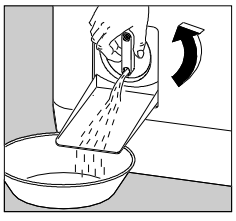


fig.7

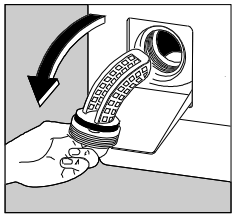
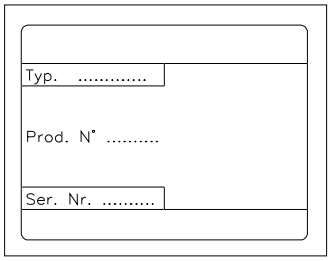


fig.8

IF SOMETHING DOESN'T WORK ?

Problems	Solutions
The wash results are not as usual.	Check that : ■ was the wrong quantity or the wrong detergent added ? Insufficient detergent leads to grey washes and scale deposits in the machine. Check the quantities more exactly, ■ were special stains pre-treated ? ■ were programme and temperature correctly chosen?
The washing cycle is very much too long.	Check that : ■the water pression is sufficient, ■the pump filter is not obstructed, ■ there has not been a power breakdown.
The washing machine stops during a washing cycle.	Check that : ■ the water pression is sufficient, ■ the pump filter is not obstructed, ■ the mains fuse is intact, ■ the rinse hold pushbutton has been selected.
The machine does not start up.	Check that : ■ the mains fuse is intact, ■ the appliance is plugged in, ■ the lid is firmly shut, ■ the programme selector dial is correctly positioned, ■ the beginning of the programme has been ordered (on/off pushbutton pushed on). ■ there has not been a power breakdown.
The machine does not drain and/or does not spin.	Check that : ■ the drain hose is not squashed or bent, ■ the drain filter is not clogged,
The machine does not fill.	Check that : ■ the inlet water hose is opened and the water pression is sufficent, ■ the lid of the appliance is closed, ■ there has not been a water breakdown
The machine vibrates or is too noisy.	Check that : ■ all the transit bolts and packing have been removed, ■ all the feet resting firmly on the ground, the lock nuts have been secrured, ■ the machine is in contact with something, ■ the load is sufficent.
The machine empties as it fills.	Check that : ■ the end of the drain hose is too low.
There is water on the floor.	Check that : ■ there is not too much detergent or unsuitable detergent. The formation of foam can cause water leaks, ■ one of the detergent dispenser is not obstructed, ■ the drain hose is well hanged, ■ if one of the joints or the tap leaking ? it is not always easy to see as the leak often runs along the hose. ■ is the drain filter cover properly closed ?
Softener detergent flows out the overflow orifice.	Check that : ■ you have not respected the adviced quantities.

If you are unable to identify or to solve the problem, consult our services department. Before calling, inform yourself about the model and the date of purchase of your appliance : the services department will need this information.



Data plate

You will find this information on the data plate (at the back of the appliance) and on a sticker located on the internal door filter.